

# DOCUMENTED PLANT CHROMOSOME NUMBERS 1969:1<sup>a</sup>

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Figures 1 - 9 are tracings from photomicrographs. Figures 1 and 3, meiosis, microsporocytes; Figure 2A, mitosis, microgametophyte; Figures 2B, 4, and 8, mitosis, archemicrosporia; Figure 5, mitosis, cell from inner wall of young carpel; Figures 6, 7, and 9, mitosis, root tip cells.

## POTAMOGETONACEAE

POTAMOGETON GRAMINEUS L.<sup>b</sup> (Fig. 1.)  $n = 26$ . Mich., Cheboygan Co.: *Pringle 791* (HAM).

## RANUNCULACEAE

CLEMATIS HERACLE FOLIA DC. var. DAVIDIANA (Decne. ex Verlot) Hemsl.<sup>c</sup> (Fig. 6.)  $2n = 16$ . Cult.: *Pringle 756* (HAM).

CLEMATIS MACROPETALA Ledeb. cv. MARKHAM'S PINK.<sup>c</sup> (Fig. 7.)  $2n = 16$ . Cult.: *Pringle 793* (HAM).

CLEMATIS STANS Sieb. & Zucc.<sup>b</sup> (*C. kousabotan* Decne.) (Fig. 8.)  $2n = 16$ . Cult.: *Pringle 863* (HAM, KSC).

CLEMATIS VIRGINIANA L.<sup>b</sup> (Fig. 9.)  $2n = 16$ . Ont., Wentworth Co.: *Pringle 868* (pistillate, illustrated) and *757* (staminate) (HAM).

## CRUCIFERAE

THLASPI ARVENSE L.<sup>b</sup> (Figs. 2A and 2B.)  $n = 7$ ,  $2n = 14$ . Ont., Wentworth Co.: *Pringle 797* (HAM).

## SAXIFRAGACEAE

HEUCHERA CYLINDRICA Dougl.<sup>c</sup> (Fig. 3.)  $n = 7$ . B.C.: *Pringle 792* (HAM). If one desires to recognize varieties within this species, this plant combines traits of var. *cylindrica* and var. *glabella* (T. & G.) Wheelock.

## GENTIANACEAE

GENTIANA LINEARIS Froel., s. str.<sup>b</sup> (Fig. 4.)  $2n = 26$ . Ont., Nipissing Dist.: *Pringle 800* (HAM).

GENTIANA RUBRICAULIS Schwein.<sup>c</sup> (Fig. 5.)  $2n = 26$ . Ont., Grey Co.: *Pringle 866* (HAM).

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<sup>a</sup> Contribution No. 7 from the Royal Botanical Gardens, Hamilton, Ontario.

<sup>b</sup> Taxa for which similar chromosome counts have been published previously.

<sup>c</sup> Taxa for which no chromosome counts have been published previously.

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